

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/12256

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ C01B31/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ C01B31/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CA (STN), JOIS (JSTPlus)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 10-101316 A (Sekisui Chemical Co., Ltd.), 21 April, 1998 (21.04.98), Claims; Par. Nos. [0012] to [0020] (Family: none)	1-7
X Y	US 5288429 A (BAYER AG.), 22 February, 1994 (22.02.94), Claim 1; column 1, lines 44 to 61; column 2, line 47 to column 3, line 7; examples 2, 3 & JP 5-201758 A Claim 1; Par. Nos. [0005], [0013]; examples 2, 3 & DE 4117077 A & EP 515892 A1 & CA 2069220 A & AT 124677 T	1 1-7

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 1-252512 A (Union Carbide Sabisesu Kabushiki Kaisha), 09 October, 1989 (09.10.89), Claims; examples 4, 6 (Family: none)	1
X	US 5194198 A (BAYER AG.), 16 March, 1993 (16.03.93), Column 1, line 64 to column 2, line 8; examples 1, 4 & JP 4-228481 A Examples 1, 4; Par. Nos. [0008] to [0009] & DE 4016710 A & CA 2042969 A & EP 458150 A1 & ES 2064806 T & DK 458150 T	1
Y	EP 1211221 A1 (TOYO TANSO CO., Ltd.), 05 June, 2002 (05.06.02), Claims & WO 01/005703 A Claims & CN 1374927 T	1-7
Y	US 4146401 A (HITACHI CHEMICAL CO., Ltd.), 27 March, 1979 (27.03.79), Claims & JP 54-30678 B2 Claims & GB 1504841 A & CA 1090085 A & AU 1640676 A	1-7
A	JP 55-118987 A (Dainichi-Nippon Cables, Ltd.), 12 September, 1980 (12.09.80), Claim 1; page 1, right column, line 10 to page 2, lower left column, line 13 (Family: none)	1-7